

FIG 1

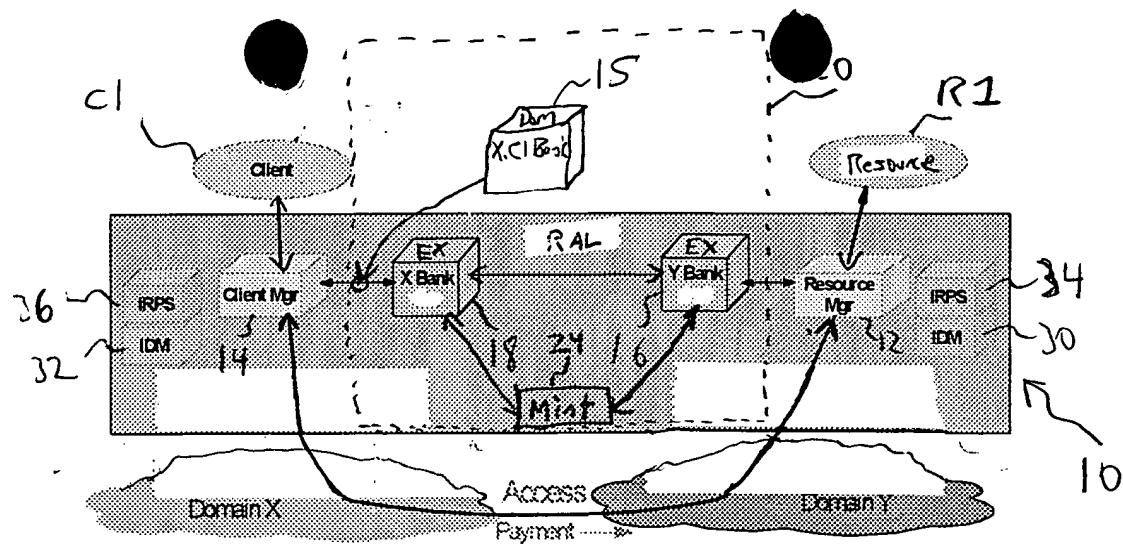


FIG 2

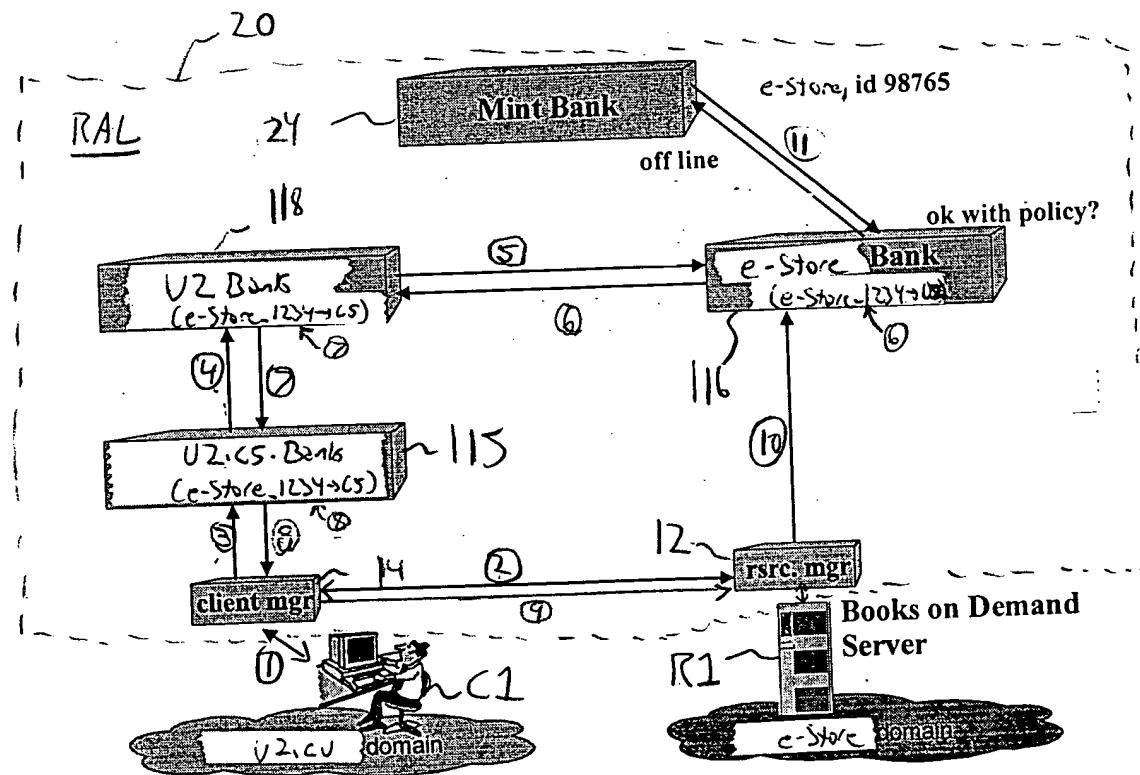


FIG 3-

150

IDM 30 monitors X.cl domain bank
15 of FIG 2 to determine whether a pattern of payments from C1 to all resources (i.e., R1) in IDM 30's domain.

152

IDM 30 compares the monitored pattern of payments with a pre-determined pattern of payments to determine whether the difference is greater than a predetermined difference.

Y

154
IDM 30 determines that the monitored C1 is an attacker and sends an attack notification to resource manager 12 and IRPS 34.

N

156
IDM 30 determines that the monitored C1 is not an attacker.

160

16 of FIG 2 to determine whether a pattern of payments received by R1 from all clients in any domain (i.e., C1).

162

16 of FIG 2 to determine whether a pattern of payments received by R1 from all clients in any domain (i.e., C1).

Y

164
IDM 30 determines that an attacked has occurred and sends an attack notification to resource manager 12 and IRPS 34.

N

166
IDM 30 determines that the no attack has occurred on R1.

FIG 5A

FIG 5B

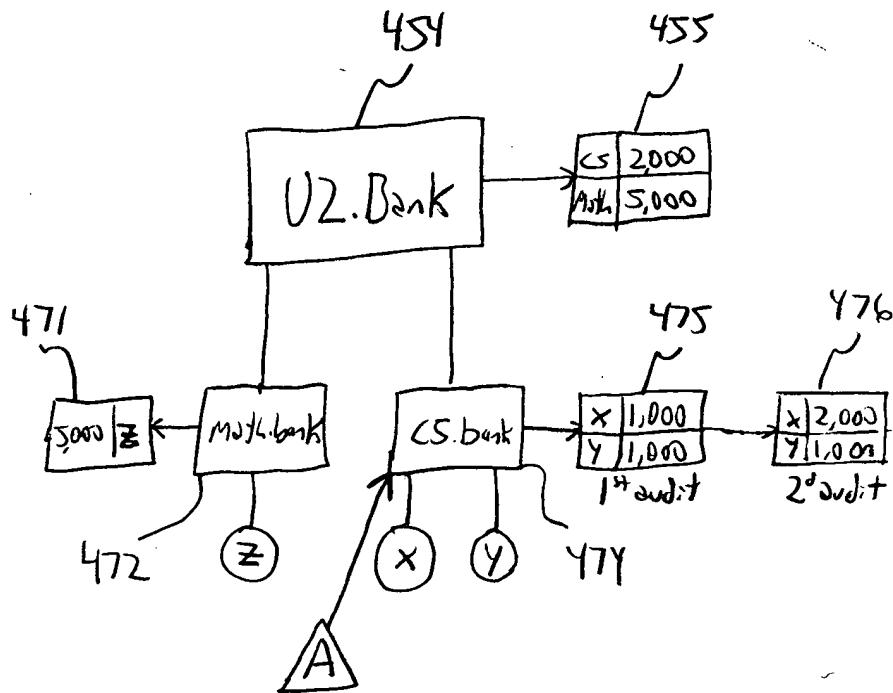


FIG 6

80

Second Association	First Association	Currency domain's exchange bank	Unique ID	Amount	Validity	New owner's exchange bank	Purpose	Provider	Timestamp
84	82	62	63	64	65	66	67	68	69

FIG 10

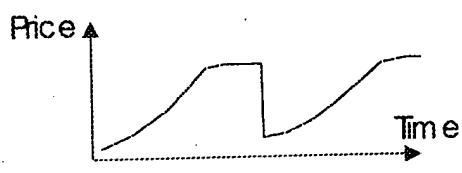


FIG 8A

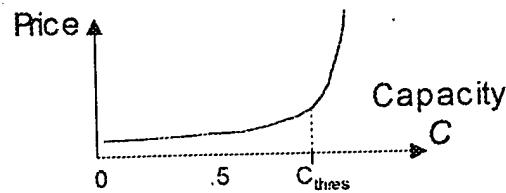


FIG 8B

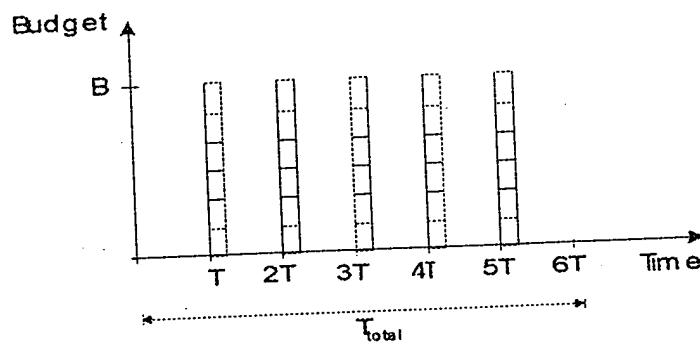


FIG 9

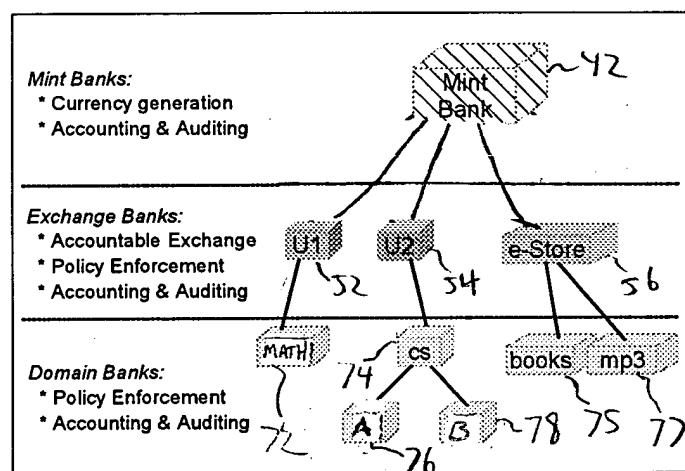


FIG 7

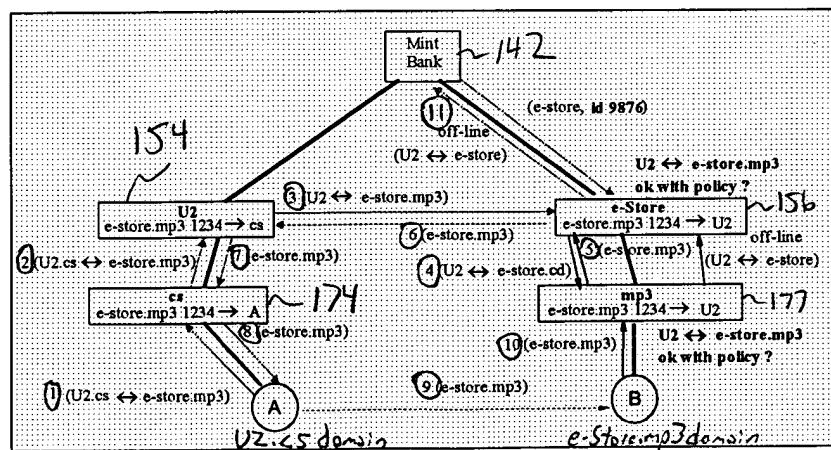


FIG 11

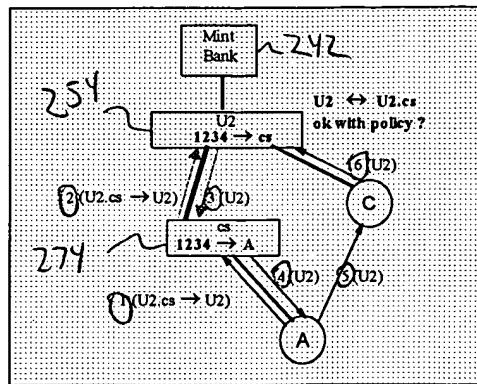


FIG 12

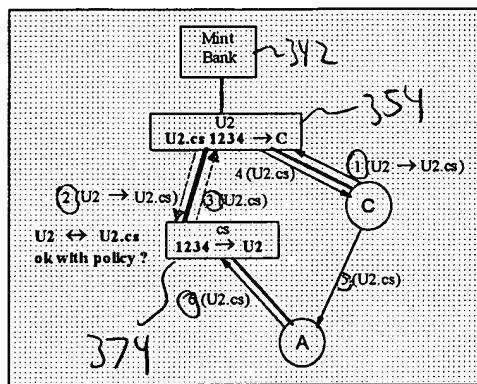


FIG 13

60

Issuing domain's exchange bank	Unique ID	Amount	Validity	New owner's exchange bank	Purpose	Provider	Timestamp
62	63	64	65	66	67	68	69

FIG 4

